

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A wireless communication system comprising:

~~in which a wireless station transmits a reception acknowledgement signal in response to reception of a data frame from another wireless station, the system comprising~~ a means of controlling a transmission rate of ~~the~~ reception acknowledgement signal transmitted from a wireless station in response to reception of a data frame from another wireless station,

wherein the means controls the transmission rate of the reception acknowledgement signal based on the number of retransmissions of the data frame.

2. (canceled)

3. (original): The wireless communication system according to claim 2, wherein the means makes the transmission rate lower than a current transmission rate when the number of retransmissions of the data frame is greater than a first predetermined value.

4. (currently amended): The wireless communication system according to any one of claims 1 to and 3, wherein the means controls the transmission rate of the reception acknowledgement signal based on the number of successive successes for the data frame.

5. (original): The wireless communication system according to claim 4, wherein the means makes the transmission rate higher than the current transmission rate when the number of successive successes for the data frame is greater than a second predetermined value.

6. (currently amended): The wireless communication system according to any one of claims 1 to and 3, wherein the wireless station and another wireless station are an access point and a mobile communication terminal in a wireless LAN system.

7. (currently amended): A method of controlling transmission of a reception acknowledgement signal in a wireless communication system comprising:

~~in which a wireless station transmits a reception acknowledgement signal in response to reception of a data frame from another wireless station, the method comprising the step of~~
controlling a transmission rate of ~~the a~~ reception acknowledgement signal transmitted from a wireless station in response to reception of a data frame from another wireless station,

wherein the transmission rate of the reception acknowledgement signal is controlled
based on the number of retransmissions of the data frame.

8. (canceled)

9. (currently amended): The method of controlling transmission of a reception acknowledgement signal according to claim 8, wherein ~~in the step~~ the transmission rate is made lower than a current transmission rate when the number of retransmissions of the data frame is greater than a first predetermined value.

10. (currently amended): The method of controlling transmission of a reception acknowledgement signal according to any one of claims 7 ~~to and~~ 9, wherein ~~in the step~~ the transmission rate of the reception acknowledgement signal is controlled based on the number of successive successes for the data frame.

11. (currently amended): The method of controlling transmission of a reception acknowledgement signal according to claim 10, wherein ~~in the step~~ the transmission rate is made higher than the current transmission rate when the number of successive successes for the data frame is greater than a second predetermined value.

12. (currently amended): The method of controlling transmission of a reception acknowledgement signal according to any one of claims 7 ~~to and~~ 9, wherein the wireless station

and another wireless station are an access point and a mobile communication terminal in a wireless LAN system.

13. (currently amended): A wireless station ~~comprising that transmits a reception acknowledgement signal in response to a data frame transmitted from another wireless station, the wireless station comprising~~

a means of controlling a transmission rate of the reception acknowledgement signal transmitted from the wireless station in response to reception of a data frame from another wireless station,

wherein the means controls the transmission rate of the reception acknowledgement signal based on the number of retransmissions of the data frame.

14. (canceled)

15. (original): The wireless station according to claim 14, wherein the means makes the transmission rate lower than a current transmission rate when the number of retransmissions of the data frame is greater than a first predetermined value.

16. (currently amended): The wireless station according to any one of claims 13 ~~to~~ and 15, wherein the means controls the transmission rate of the reception acknowledgement signal based on the number of successive successes for the data frame.

17. (original): The wireless station according to claim 16, wherein the means makes the transmission rate higher than the current transmission rate when the number of successive successes for the data frame is greater than a second predetermined value.

18. (currently amended): The wireless station according to any one of claims 13 ~~to~~ and 15, wherein the wireless station is one of an access point and a mobile communication terminal in a wireless LAN system.

19. (currently amended): A computer readable medium including a program that allows a computer to perform a method of controlling transmission in a wireless communication system, the method comprising:

controlling a transmission rate of the reception acknowledgement signal transmitted from a wireless station in response to reception of a data frame from another wireless station, wherein the means controls the~~an operation of a wireless station that transmits a reception~~
~~acknowledgement signal in response to a data frame transmitted from another wireless station,~~

~~the program comprising a process of controlling a~~ transmission rate of the reception
acknowledgement signal based on the number of retransmissions of the data frame.

20. (previously presented): The wireless communication system according to claim 4,
wherein the wireless station and another wireless station are an access point and a mobile
communication terminal in a wireless LAN system.

21. (previously presented): The wireless communication system according to claim 5,
wherein the wireless station and another wireless station are an access point and a mobile
communication terminal in a wireless LAN system.

22. (previously presented): The method of controlling transmission of a reception
acknowledgement signal according to claim 10, wherein the wireless station and another wireless
station are an access point and a mobile communication terminal in a wireless LAN system.

23. (previously presented): The method of controlling transmission of a reception
acknowledgement signal according to claim 11, wherein the wireless station and another wireless
station are an access point and a mobile communication terminal in a wireless LAN system.

24. (previously presented): The wireless station according to claim 16, wherein the wireless station is one of an access point and a mobile communication terminal in a wireless LAN system.

25. (previously presented): The wireless station according to claim 17, wherein the wireless station is one of an access point and a mobile communication terminal in a wireless LAN system.